SEQUENCE LISTING

<110> Moore, Paul A.
Rosen, Craig A.
Ruben, Steven M.

<120> Cytokine Receptor Common Gamma Chain Like

<130> PF466P1

<140> Unassigned
<141> 1999-08-18

<150> 60/086,505
<151> 1998-05-22

<150> 60/078,563
<151> 1998-03-19

<150> 09/263,626
<151> 1999-03-05

<150> PCT/US99/05068
<151> 1999-03-05

<160> 32

<170> PatentIn Ver. 2.0

<210> 1
<211> 1573
<212> DNA
<213> Homo sapiens

<220>
<221> CDS
<222> (13)..(1125)

<400> 1

```
cggcacgagg gc atg ggg cgg ctg gtt ctg ctg tgg gga gct gcc gtc ttt 51
                Met Gly Arg Leu Val Leu Leu Trp Gly Ala Ala Val Phe
                  1               5                  10

ctg ctg gga ggc tgg atg gct ttg ggg caa gga gga gca gca gaa gga   99
Leu Leu Gly Gly Trp Met Ala Leu Gly Gln Gly Gly Ala Ala Glu Gly
     15                  20                  25

gta cag att cag atc atc tac ttc aat tta gaa acc gtg cag gtg aca   147
Val Gln Ile Gln Ile Ile Tyr Phe Asn Leu Glu Thr Val Gln Val Thr
 30                  35                  40                  45

tgg aat gcc agc aaa tac tcc agg acc aac ctg act ttc cac tac aga   195
Trp Asn Ala Ser Lys Tyr Ser Arg Thr Asn Leu Thr Phe His Tyr Arg
                 50                  55                  60

ttc aac ggt gat gag gcc tat gac cag tgc acc aac tac ctt ctc cag   243
Phe Asn Gly Asp Glu Ala Tyr Asp Gln Cys Thr Asn Tyr Leu Leu Gln
            65                  70                  75

gaa ggt cac act tcg ggg tgc ctc cta gac gca gag cag cga gac gac   291
Glu Gly His Thr Ser Gly Cys Leu Leu Asp Ala Glu Gln Arg Asp Asp
        80                  85                  90
```

```
att ctc tat ttc tcc atc agg aat ggg acg cac ccc gtt ttc acc gca   339
Ile Leu Tyr Phe Ser Ile Arg Asn Gly Thr His Pro Val Phe Thr Ala
 95                 100                 105

agt cgc tgg atg gtt tat tac ctg aaa ccc agt tcc ccg aag cac gtg   387
Ser Arg Trp Met Val Tyr Tyr Leu Lys Pro Ser Ser Pro Lys His Val
110                 115                 120                 125

aga ttt tcg tgg cat cag gat gca gtg acg gtg acg tgt tct gac ctg   435
Arg Phe Ser Trp His Gln Asp Ala Val Thr Val Thr Cys Ser Asp Leu
                130                 135                 140

tcc tac ggg gat ctc ctc tat gag gtt cag tac cgg agc ccc ttc gac   483
Ser Tyr Gly Asp Leu Leu Tyr Glu Val Gln Tyr Arg Ser Pro Phe Asp
            145                 150                 155

acc gag tgg cag tcc aaa cag gaa aat acc tgc aac gtc acc ata gaa   531
Thr Glu Trp Gln Ser Lys Gln Glu Asn Thr Cys Asn Val Thr Ile Glu
        160                 165                 170

ggc ttg gat gcc gag aag tgt tac tct ttc tgg gtc agg gtg aag gct   579
Gly Leu Asp Ala Glu Lys Cys Tyr Ser Phe Trp Val Arg Val Lys Ala
    175                 180                 185

atg gag gat gta tat ggg cca gac aca tac cca agc gac tgg tca gag   627
Met Glu Asp Val Tyr Gly Pro Asp Thr Tyr Pro Ser Asp Trp Ser Glu
190                 195                 200                 205

gtg aca tgc tgg cag aga ggc gag att cgg gat gcc tgt gca gag aca   675
Val Thr Cys Trp Gln Arg Gly Glu Ile Arg Asp Ala Cys Ala Glu Thr
                210                 215                 220

cca acg cct ccc aaa cca aag ctg tcc aaa ttt att tta att tcc agc   723
Pro Thr Pro Pro Lys Pro Lys Leu Ser Lys Phe Ile Leu Ile Ser Ser
            225                 230                 235

ctg gcc atc ctt ctg atg gtg tct ctc ctc ctt ctg tct tta tgg aaa   771
Leu Ala Ile Leu Leu Met Val Ser Leu Leu Leu Leu Ser Leu Trp Lys
        240                 245                 250

tta tgg aga gtg aag aag ttt ctc att ccc agc gtg cca gac ccg aaa   819
Leu Trp Arg Val Lys Lys Phe Leu Ile Pro Ser Val Pro Asp Pro Lys
    255                 260                 265

tcc atc ttc ccc ggg ctc ttt gag ata cac caa ggg aac ttc cag gag   867
Ser Ile Phe Pro Gly Leu Phe Glu Ile His Gln Gly Asn Phe Gln Glu
270                 275                 280                 285

tgg atc aca gac acc cag aac gtg gcc cac ctc cac aag atg gca ggt   915
Trp Ile Thr Asp Thr Gln Asn Val Ala His Leu His Lys Met Ala Gly
                290                 295                 300

gca gag caa gaa agt ggc ccc gag gag ccc ctg gta gtc cag ttg gcc   963
Ala Glu Gln Glu Ser Gly Pro Glu Glu Pro Leu Val Val Gln Leu Ala
            305                 310                 315

aag act gaa gcc gag tct ccc agg atg ctg gac cca cag acc gag gag   1011
Lys Thr Glu Ala Glu Ser Pro Arg Met Leu Asp Pro Gln Thr Glu Glu
        320                 325                 330

aaa gag gcc tct ggg gga tcc ctc cag ctt ccc cac cag ccc ctc caa   1059
Lys Glu Ala Ser Gly Gly Ser Leu Gln Leu Pro His Gln Pro Leu Gln
    335                 340                 345
```

```
ggc ggt gat gtg gtc aca atc ggg ggc ttc acc ttt gtg atg aat gac   1107
Gly Gly Asp Val Val Thr Ile Gly Gly Phe Thr Phe Val Met Asn Asp
350                 355                 360                 365

cgc tcc tac gtg gcg ttg tgatggacac accactgtca aagtcaacgt          1155
Arg Ser Tyr Val Ala Leu
            370

caggatccac gttgacattt aaagacagag gggactgtcc cggggactcc acaccaccat 1215

ggatgggaag tctccacgcc aatgatggta ggactaggag actctgaaga cccagcctca 1275

ccgcctaatg cggccactgc cctgctaact ttcccccaca tgagtctctg tgttcaaagg 1335

cttgatggca gatgggagcc aattgctcca ggagatttac tcccagttcc ttttcgtgcc 1395

tgaacgttgt cacataaacc ccaaggcagc acgtccaaaa tgctgtaaaa ccatcttccc 1455

actctgtgag tccccagttc cgtccatgta cctgttccat agcattggat tctcggagga 1515

ttttttgtct gttttgagac tccaaaccac ctctacccct acaaaaaaaa aaaaaaaa   1573
```

<210> 2
<211> 371
<212> PRT
<213> Homo sapiens

<400> 2

```
Met Gly Arg Leu Val Leu Leu Trp Gly Ala Ala Val Phe Leu Leu Gly
 1               5                  10                  15

Gly Trp Met Ala Leu Gly Gln Gly Gly Ala Ala Glu Gly Val Gln Ile
            20                  25                  30

Gln Ile Ile Tyr Phe Asn Leu Glu Thr Val Gln Val Thr Trp Asn Ala
        35                  40                  45

Ser Lys Tyr Ser Arg Thr Asn Leu Thr Phe His Tyr Arg Phe Asn Gly
    50                  55                  60

Asp Glu Ala Tyr Asp Gln Cys Thr Asn Tyr Leu Leu Gln Glu Gly His
65                  70                  75                  80

Thr Ser Gly Cys Leu Leu Asp Ala Glu Gln Arg Asp Asp Ile Leu Tyr
                85                  90                  95

Phe Ser Ile Arg Asn Gly Thr His Pro Val Phe Thr Ala Ser Arg Trp
            100                 105                 110

Met Val Tyr Tyr Leu Lys Pro Ser Ser Pro Lys His Val Arg Phe Ser
        115                 120                 125

Trp His Gln Asp Ala Val Thr Val Thr Cys Ser Asp Leu Ser Tyr Gly
    130                 135                 140

Asp Leu Leu Tyr Glu Val Gln Tyr Arg Ser Pro Phe Asp Thr Glu Trp
145                 150                 155                 160

Gln Ser Lys Gln Glu Asn Thr Cys Asn Val Thr Ile Glu Gly Leu Asp
                165                 170                 175
```

Ala Glu Lys Cys Tyr Ser Phe Trp Val Arg Val Lys Ala Met Glu Asp
180 185 190

Val Tyr Gly Pro Asp Thr Tyr Pro Ser Asp Trp Ser Glu Val Thr Cys
195 200 205

Trp Gln Arg Gly Glu Ile Arg Asp Ala Cys Ala Glu Thr Pro Thr Pro
210 215 220

Pro Lys Pro Lys Leu Ser Lys Phe Ile Leu Ile Ser Ser Leu Ala Ile
225 230 235 240

Leu Leu Met Val Ser Leu Leu Leu Leu Ser Leu Trp Lys Leu Trp Arg
245 250 255

Val Lys Lys Phe Leu Ile Pro Ser Val Pro Asp Pro Lys Ser Ile Phe
260 265 270

Pro Gly Leu Phe Glu Ile His Gln Gly Asn Phe Gln Glu Trp Ile Thr
275 280 285

Asp Thr Gln Asn Val Ala His Leu His Lys Met Ala Gly Ala Glu Gln
290 295 300

Glu Ser Gly Pro Glu Glu Pro Leu Val Val Gln Leu Ala Lys Thr Glu
305 310 315 320

Ala Glu Ser Pro Arg Met Leu Asp Pro Gln Thr Glu Glu Lys Glu Ala
325 330 335

Ser Gly Gly Ser Leu Gln Leu Pro His Gln Pro Leu Gln Gly Gly Asp
340 345 350

Val Val Thr Ile Gly Gly Phe Thr Phe Val Met Asn Asp Arg Ser Tyr
355 360 365

Val Ala Leu
370

<210> 3
<211> 363
<212> PRT
<213> Homo sapiens

<400> 3
Met Leu Lys Pro Pro Leu Pro Leu Arg Ser Leu Leu Phe Leu Gln Leu
1 5 10 15

Asn Glu Asp Ile Gly Gly Lys Pro Gly Thr Gly Gly Asp Phe Phe Leu
20 25 30

Thr Ser Thr Pro Ala Gly Thr Leu Asp Val Ser Thr Leu Pro Leu Pro
35 40 45

Lys Val Gln Cys Phe Val Phe Asn Val Glu Tyr Met Asn Cys Thr Trp
50 55 60

Asn Ser Ser Ser Glu Pro Gln Pro Asn Asn Leu Thr Leu His Tyr Gly
65 70 75 80

Tyr Arg Asn Phe Asn Gly Asp Asp Lys Leu Gln Glu Cys Gly His Tyr
85 90 95

Leu Phe Ser Glu Gly Ile Thr Ser Gly Cys Trp Phe Gly Lys Lys Glu
100 105 110

Ile Arg Leu Tyr Glu Thr Phe Val Val Gln Leu Gln Asp Pro Arg Glu
115 120 125

His Arg Lys Gln Pro Lys Gln Met Leu Lys Leu Gln Asp Leu Val Ile
130 135 140

Pro Trp Ala Pro Glu Asn Leu Thr Leu Arg Asn Leu Ser Glu Phe Gln
145 150 155 160

Leu Glu Leu Ser Trp Ser Asn Arg Tyr Leu Asp His Cys Leu Glu His
165 170 175

Leu Val Gln Tyr Arg Ser Asp Arg Asp Arg Ser Trp Thr Glu Gln Ser
180 185 190

Val Asp His Arg His Ser Phe Ser Leu Pro Ser Val Asp Ala Gln Lys
195 200 205

Leu Tyr Thr Phe Arg Val Arg Ser Arg Tyr Asn Pro Leu Cys Gly Ser
210 215 220

Ala Gln His Trp Ser Asp Trp Ser Tyr Pro Ile His Trp Gly Ser Asn
225 230 235 240

Thr Ser Lys Glu Asn Ile Glu Asn Pro Glu Asn Pro Ser Leu Phe Ala
245 250 255

Leu Glu Ala Val Leu Ile Pro Leu Gly Ser Met Gly Leu Ile Val Ser
260 265 270

Leu Ile Cys Val Tyr Cys Trp Leu Glu Arg Thr Met Pro Arg Ile Pro
275 280 285

Thr Leu Lys Asn Leu Glu Asp Leu Val Thr Glu Tyr Gln Gly Asn Phe
290 295 300

Ser Ala Trp Ser Gly Val Ser Lys Gly Leu Ala Glu Ser Leu Gln Pro
305 310 315 320

Asp Tyr Ser Glu Arg Leu Cys His Val Ser Glu Ile Pro Pro Lys Gly
325 330 335

Gly Glu Gly Pro Gly Gly Ser Pro Cys Ser Gln His Ser Pro Tyr Trp
340 345 350

Ala Pro Pro Cys Tyr Thr Leu Lys Pro Glu Pro
355 360

<210> 4
<211> 733
<212> DNA
<213> Homo sapiens

<400> 4
gggatccgga gcccaaatct tctgacaaaa ctcacacatg cccaccgtgc ccagcacctg 60

aattcgaggg tgcaccgtca gtcttcctct tccccccaaa acccaaggac accctcatga 120

tctcccggac tcctgaggtc acatgcgtgg tggtggacgt aagccacgaa gaccctgagg 180

tcaagttcaa ctggtacgtg gacggcgtgg aggtgcataa tgccaagaca aagccgcggg 240

aggagcagta caacagcacg taccgtgtgg tcagcgtcct caccgtcctg caccaggact 300

ggctgaatgg caaggagtac aagtgcaagg tctccaacaa agccctccca acccccatcg 360

agaaaaccat ctccaaagcc aaagggcagc cccgagaacc acaggtgtac accctgcccc 420

catcccggga tgagctgacc aagaaccagg tcagcctgac ctgcctggtc aaaggcttct 480

atccaagcga catcgccgtg gagtgggaga gcaatgggca gccggagaac aactacaaga 540

ccacgcctcc cgtgctggac tccgacggct ccttcttcct ctacagcaag ctcaccgtgg 600

acaagagcag gtggcagcag gggaacgtct tctcatgctc cgtgatgcat gaggctctgc 660

acaaccacta cacgcagaag agcctctccc tgtctccggg taaatgagtg cgacggccgc 720

gactctagag gat 733

<210> 5
<211> 5
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any amino acid

<400> 5
Trp Ser Xaa Trp Ser
1 5

<210> 6
<211> 86
<212> DNA
<213> Homo sapiens

<400> 6
gcgcctcgag atttccccga aatctagatt tccccgaaat gatttccccg aaatgatttc 60

cccgaaatat ctgccatctc aattag 86

<210> 7
<211> 27
<212> DNA
<213> Homo sapiens

<400> 7
gcggcaagct ttttgcaaag cctaggc 27

<210> 8
<211> 271
<212> DNA
<213> Homo sapiens

<400> 8
ctcgagattt ccccgaaatc tagatttccc cgaaatgatt tccccgaaat gatttccccg 60

aaatatctgc catctcaatt agtcagcaac catagtcccg cccctaactc cgcccatccc 120

gcccctaact ccgcccagtt ccgcccattc tccgccccat ggctgactaa ttttttttat 180

ttatgcagag gccgaggccg cctcggcctc tgagctattc cagaagtagt gaggaggctt 240

ttttggaggc ctaggctttt gcaaaaagct t
271

<210> 9
<211> 32
<212> DNA
<213> Homo sapiens

<400> 9
gcgctcgagg gatgacagcg atagaacccc gg
32

<210> 10
<211> 31
<212> DNA
<213> Homo sapiens

<400> 10
gcgaagcttc gcgactcccc ggatccgcct c
31

<210> 11
<211> 12
<212> DNA
<213> Homo sapiens

<400> 11
ggggactttc cc
12

<210> 12
<211> 73
<212> DNA
<213> Homo sapiens

<400> 12
gcggcctcga ggggactttc ccggggactt tccggggact ttccgggact ttccatcctg 60

ccatctcaat tag
73

<210> 13
<211> 256
<212> DNA
<213> Homo sapiens

<400> 13
ctcgagggga ctttcccggg gactttccgg ggactttccg ggactttcca tctgccatct 60

caattagtca gcaaccatag tcccgccccc aactccgccc atcccgcccc taactccgcc 120

cagttccgcc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga 180

ggccgcctcg gcctctgagc tattccagaa gtagtgagga ggcttttttg gaggcctagg 240

ctttttgcaaa aagctt

256

<210> 14
<211> 29
<212> DNA
<213> Homo sapiens

<400> 14
gttaggccat gggaggagca gcagaagga

29

<210> 15
<211> 33
<212> DNA
<213> Homo sapiens

<400> 15
ggttaaagat ctcaacgcca cgtaggagcg gtc

33

<210> 16
<211> 38
<212> DNA
<213> Homo sapiens

<400> 16
ccggttagat ctgccatcat ggctttgggg caaggagg

38

<210> 17
<211> 36
<212> DNA
<213> Homo sapiens

<400> 17
ccggtttcta gatcacaagg ccacgtagga gcggtc

36

<210> 18
<211> 7
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals Ser, Thr, Gly or Leu

<220>
<221> SITE
<222> (2)
<223> Xaa equals any amino acid

<220>
<221> SITE
<222> (4)
<223> Xaa equals Ser or Gly

<220>
<221> SITE
<222> (5)

<223> Xaa equals any amino acid

<400> 18
Xaa Xaa Trp Xaa Xaa Trp Ser
1 5

<210> 19
<211> 7
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any amino acid

<220>
<221> SITE
<222> (5)
<223> Xaa equals any amino acid

<400> 19
Thr Xaa Pro Ser Xaa Trp Ser
1 5

<210> 20
<211> 7
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals Pro or Glu

<220>
<221> SITE
<222> (3)
<223> Xaa equals any amino acid

<220>
<221> SITE
<222> (4)
<223> Xaa equals Val or Ile

<220>
<221> SITE
<222> (6)
<223> Xaa equals Asn, Ser or Asp

<400> 20
Trp Xaa Xaa Xaa Pro Xaa Pro
1 5

<210> 21
<211> 7
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
<222> (3)
<223> Xaa equals any amino acid

<400> 21
Ile Pro Xaa Val Pro Asp Pro
1 5

<210> 22
<211> 54
<212> PRT
<213> Homo sapiens

<400> 22
Gln Ile Gln Ile Ile Tyr Phe Asn Leu Glu Thr Val Gln Val Thr Trp
1 5 10 15

Asn Ala Ser Lys Tyr Ser Arg Thr Asn Leu Thr Phe His Tyr Arg Phe
20 25 30

Asn Gly Asp Glu Ala Tyr Asp Gln Cys Thr Asn Tyr Leu Leu Gln Glu
35 40 45

Gly His Thr Ser Gly Cys
50

<210> 23
<211> 30
<212> PRT
<213> Homo sapiens

<400> 23
Arg Arg His Ser Leu Phe Leu His Gln Glu Trp Asp Ala Pro Arg Phe
1 5 10 15

His Arg Lys Ser Leu Asp Gly Leu Leu Pro Glu Thr Gln Phe
20 25 30

<210> 24
<211> 81
<212> PRT
<213> Homo sapiens

<400> 24
Leu Leu Tyr Glu Val Gln Tyr Arg Ser Pro Phe Asp Thr Glu Trp Gln
1 5 10 15

Ser Lys Gln Glu Asn Thr Cys Asn Val Thr Ile Glu Gly Leu Asp Ala
20 25 30

Glu Lys Cys Tyr Ser Phe Trp Val Arg Val Lys Ala Met Glu Asp Val
35 40 45

Tyr Gly Pro Asp Thr Tyr Pro Ser Asp Trp Ser Glu Val Thr Cys Trp
50 55 60

Gln Arg Gly Glu Ile Arg Asp Ala Cys Ala Glu Thr Pro Thr Pro Pro
65 70 75 80

Lys

<210> 25
<211> 181
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (68)
<223> Xaa equals any amino acid

<220>
<221> SITE
<222> (73)
<223> Xaa equals any amino acid

<220>
<221> SITE
<222> (88)
<223> Xaa equals any amino acid

<400> 25
Met Glu Asp Val Tyr Gly Pro Asp Thr Tyr Pro Ser Asp Trp Ser Glu
1 5 10 15

Val Thr Cys Trp Gln Arg Gly Glu Ile Arg Asp Ala Cys Ala Glu Thr
20 25 30

Pro Thr Pro Pro Lys Pro Lys Leu Ser Lys Phe Ile Leu Ile Ser Ser
35 40 45

Leu Ala Ile Leu Leu Met Val Ser Leu Leu Leu Leu Ser Leu Trp Lys
50 55 60

Leu Trp Arg Xaa Lys Lys Phe Leu Xaa Pro Ser Val Pro Asp Pro Lys
65 70 75 80

Ser Ile Phe Pro Gly Leu Phe Xaa Ile His Gln Gly Asn Phe Gln Glu
85 90 95

Trp Ile Thr Asp Thr Gln Asn Val Ala His Leu His Lys Met Ala Gly
100 105 110

Ala Glu Gln Glu Ser Gly Pro Glu Glu Pro Leu Val Val Gln Leu Ala
115 120 125

Lys Thr Glu Ala Glu Ser Pro Arg Met Leu Asp Pro Gln Thr Glu Glu
130 135 140

Lys Glu Ala Ser Gly Gly Ser Leu Gln Leu Pro His Gln Pro Leu Gln
145 150 155 160

Gly Gly Asp Val Val Thr Ile Gly Gly Phe Thr Phe Val Met Asn Asp
165 170 175

Arg Ser Tyr Val Ala
180

<210> 26
<211> 1567

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (830)
<223> n equals a, t, g or c

<220>
<221> misc_feature
<222> (416)
<223> y equals c or t

<220>
<221> misc_feature
<222> (784)
<223> m equals a or c

<220>
<221> misc_feature
<222> (785)
<223> y equals c or t

<400> 26
gggcatgggg cggctggttc tgctgtgggg agctgccgtc tttctgctgg gaggctggat 60

ggctttgggg caaggaggag cagcagaagg agtacagatt caratcatct acttcaattt 120

agaaaccgtg caggtgacat ggaatgccag caaatactcc aggaccaacc tgactttcca 180

ctacagattc aacggtgatg aggcctatga ccagtgcacc aactaccttc tccaggaagg 240

tcacacttcg gggtgcctcc tagacgcasa gcagcgagac gacattctct atttctccat 300

caggaatggg acgcaccccg ttttcaccgc aagtcgctgg atggtttatt acctgaaacc 360

cagttccccg aagcacgtga gatttcgtgg catcaggaaw gacggtgacg tgttcycgac 420

ctgtcctacg gggatctcct ctatgaggtt cagtaccgga gccccttcga caccgagtgg 480

cagtccaaac aggaaaatac ctgcaacgtc accatagaag gcttggatgc cgagaagtgt 540

tactctttct gggtcagggt gaaggctatg gaggatgtat atgggccaga cacataccca 600

agcgactggt cagaggtgac atgctggcag agaggcgaga ttcgggatgc ctgtgcagag 660

acaccaacgc ctcccaaacc aaagctgtcc aaatttattt taatttccag cctggccatc 720

cttctgatgg tgtctctcct ccttctgtct ttatggaaat tatggagart gaagaagttt 780

ctcmytccca gcgtgccaga cccgaaatcc atcttccccg ggctctttgn tatacaccaa 840

gggaacttcc aggagtggat cacagacacc cagaacgtgg cccacctcca caagatggca 900

ggtgcagagc aagaaagtgg ccccgaggag cccctggtag tccagttggc caagactgaa 960

gccgagtctc ccaggatgct ggacccacag accgaggaga aagaggcctc tgggggatcc 1020

ctccagcttc cccaccagcc cctccaaggc ggtgatgtgg tcacaatcgg gggcttcacc 1080

tttgtgatga atgaccgctc ctacgtggcg ttgtgatgga cacaccactg tcaaagtcaa 1140

cgtcaggatc cacgttgaca tttaaagaca gaggggactg tcccggggac tccacaccac 1200

catggatggg aagtctccac gccaatgatg gtaggactag gagactctga agacccagcc 1260

tcaccgccta atgcggccac tgccctgcta actttccccc acatgagtct ctgtgttcaa 1320

aggcttgatg gcagatggga gccaattgct ccaggagatt tactcccagt tccttttcgt 1380

gctgaacgtt gtcacataaa ccccaaggca gcacgtccaa aatgctgtaa aaccatcttc 1440

ccactctgtg agtccccagt tccgtccatg taccattccc atagcattgg attctcggag 1500

gatttttgt ctgttttgag actccaaacc acctctaccc ctacaaaaaa aaaaaaaaaa 1560

aactcga 1567

<210> 27
<211> 170
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (89)
<223> Xaa equals any amino acid

<220>
<221> SITE
<222> (132)
<223> Xaa equals any amino acid

<220>
<221> SITE
<222> (138)
<223> Xaa equals any amino acid

<400> 27
Met Gly Arg Leu Val Leu Leu Trp Gly Ala Ala Val Phe Leu Leu Gly
1 5 10 15

Gly Trp Met Ala Leu Gly Gln Gly Gly Ala Ala Glu Gly Val Gln Ile
20 25 30

Gln Ile Ile Tyr Phe Asn Leu Glu Thr Val Gln Val Thr Trp Asn Ala
35 40 45

Ser Lys Tyr Ser Arg Thr Asn Leu Thr Phe His Tyr Arg Phe Asn Gly
50 55 60

Asp Glu Ala Tyr Asp Gln Cys Thr Asn Tyr Leu Leu Gln Glu Gly His
65 70 75 80

Thr Ser Gly Cys Leu Leu Asp Ala Xaa Gln Arg Asp Asp Ile Leu Tyr
85 90 95

Phe Ser Ile Arg Asn Gly Thr His Pro Val Phe Thr Ala Ser Arg Trp
100 105 110

Met Val Tyr Tyr Leu Lys Pro Ser Ser Pro Lys His Val Arg Phe Arg
115 120 125

Gly Ile Arg Xaa Asp Gly Asp Val Phe Xaa Thr Cys Pro Thr Gly Ile
130 135 140

Ser Ser Met Arg Phe Ser Thr Gly Ala Pro Ser Thr Pro Ser Gly Ser
145 150 155 160

Pro Asn Arg Lys Ile Pro Ala Thr Ser Pro
165 170

<210> 28
<211> 36
<212> DNA
<213> Homo sapiens

<400> 28
ccggttagat ctgccatcat ggggcggctg gttctg 36

<210> 29
<211> 31
<212> DNA
<213> Homo sapiens

<400> 29
ggccggtcta gatttggaca gctttggttt g 31

<210> 30
<211> 4
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any amino acid

<400> 30
Trp Xaa Trp Ser
1

<210> 31
<211> 34
<212> DNA
<213> Homo sapiens

<400> 31
ggccggtcta gattatttgg acagctttgg tttg 34

<210> 32
<211> 144
<212> DNA
<213> Homo sapiens

<400> 32
ccggttagat ctgccatcat ggggcggctg gttctgccgg ttagatctgc catcatgggg 60

cggctggttc tgccggttag atctgccatc atggggcggc tggttctgcc ggttagatct 120

gccatcatgg ggcggctggt tctg 144